

IN THE SPECIFICATION

Please amend the paragraph that begins at page 11, line 22, and ends at page 12, line 2, as follows:

A The preferred embodiment of the present invention achieves a predetermined level of decomposition, in a memory efficient and low memory bandwidth (bytes per pixel) implementation. Further, the implementation of the preferred embodiment is substantially independent of a size of the image to be ~~decom-posed~~ decomposed (for images typically greater than 1K pixels by 1K pixels). That is, a discrete wavelet decomposition of an image at a predetermined level is provided by memory buffers with total memory capacity less than that required to buffer the entire image and substantially independent of a width or height of the image.